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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applio	ante e		nt's file reference	 	.	O N	of Townsellat of International
3122		-	it's life reference	FOR FURTHER ACT	ION	Preliminary Ex	n of Transmittal of International amination Report (Form PCT/IPEA/416)
International application No. PCT/BE 03/00195				International filing date (day/month/year) 13.11.2003		th/year)	Priority date (day/month/year) 18.11.2002
			nt Classification (IPC) or be	oth national classification and	d IPC		
B010	053/2	:6		•			
				•			
Applic ATLA		OPC	O AIRPOWER	,			
1.	This Auth	intern ority a	ational preliminary exam and is transmitted to the	mination report has been applicant according to Ar	prepa rticle 3	red by this Inte 36.	ernational Preliminary Examining
2.	This	REPO	ORT consists of a total of	of 4 sheets, including this	cove	r sheet.	
		beer	amended and are the	nied by ANNEXES, i.e. sh basis for this report and/on 607 of the Administrative	r shee	ets containing r	on, claims and/or drawings which have ectifications made before this Authority the PCT).
	Thes	e anr	nexes consist of a total of	of sheets.			
3.	This	repor	t contains indications re	elating to the following iter	ns:		
	ı	\boxtimes	Basis of the opinion				
i	Ш		Priority	•			
	Ш		•	opinion with regard to no	velty,	inventive step	and industrial applicability
IV Lack of unity of invention			·				
	٧	×	Reasoned statement		rega emen	rd to novelty, ir t	nventive step or industrial applicability;
	VI		Certain documents cit	ted	•		
	VII	. 🗆	Certain defects in the	international application			
	VIII		Certain observations	on the international applic	ation		
Date	of sub	missio	on of the demand		Date o	of completion of t	hls report
30.0	4.20	04			26.08	3.2004	
			g address of the internation	nal	Autho	rized Officer	Artichas Patanteloy.
-	(III)	Eu NL	ropean Patent Office - P.B -2280 HV Rijswijk - Pays I	Bas	Boga	erts, M	
l	ارو		l. +31 70 340 - 2040 Tx: 3 [.] x: +31 70 340 - 3016	1 651 epo nl	_	none No. +31 70	340-2335

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/BE 03/00195

1. With regard to the **elements** of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	Des	cription, Pages					
	1-15	5	as originally filed				
	Clai	ms, Numbers					
		•					
	1-15	5	as originally filed				
	Dra	wings, Sheets					
	1/2-	2/2	as originally filed				
With regard to the language, all the elements marked above were available or furnished to this Authority language in which the international application was filed, unless otherwise indicated under this item.							
	The	se elements were ava	ailable or furnished to this Authority in the following language: , which is:				
		the language of a tra	inslation furnished for the purposes of the international search (under Rule 23.1(b)).				
		the language of publ	ication of the international application (under Rule 48.3(b)).				
		the language of a tra Rule 55.2 and/or 55.3	inslation furnished for the purposes of international preliminary examination (under 3).				
3.	Witl inte	n regard to any nucle rnational preliminary e	otide and/or amino acid sequence disclosed in the international application, the examination was carried out on the basis of the sequence listing:				
		contained in the inter	rnational application in written form.				
		filed together with the	e international application in computer readable form.				
		furnished subsequer	ntly to this Authority in written form.				
		furnished subsequer	ntly to this Authority in computer readable form.				
		The statement that the international a	he subsequently furnished written sequence listing does not go beyond the disclosure pplication as filed has been furnished.				
		The statement that the listing has been furn	he information recorded in computer readable form is identical to the written sequence ished.				
4.	The	amendments have re	esulted in the cancellation of:				
		the description,	pages:				
		the claims,	Nos.:				
		the drawings,	sheets:				

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5. □	This report has been established as if (some of) the amendments had not been made, since they have	/e
	been considered to go beyond the disclosure as filed (Rule 70.2(c)).	

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N) Yes: Claims 1-15

No: Claims

Inventive step (IS) Yes: Claims 1-15

No: Claims

Industrial applicability (IA) Yes: Claims 1-15

No: Claims

2. Citations and explanations

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see separate sheet

Ad V:

Reference is made to the following document:

D1: US-A-6470693

The subject-matter of independent claim 1 differs from D1 in that cooler-condenser and reheater are disposed in a single pressure vessel and in that the cooler-condenser is a direct contact heat exchanger.

The use of a direct contact heat exchanger avoids the need for a cooler which has to resist to the high pressure of the compressed gas and reduces pressure loss.

The problem of reducing pressure loss and of avoiding expensive gas coolers has been solved in a non obvious way. None of the available prior art documents discloses the combination of direct gas cooler, drain and reheater as claimed, nor does the prior art give a hint which would lead the skilled person to such a combination.

The application meets the requirements of Art. 33 PCT.